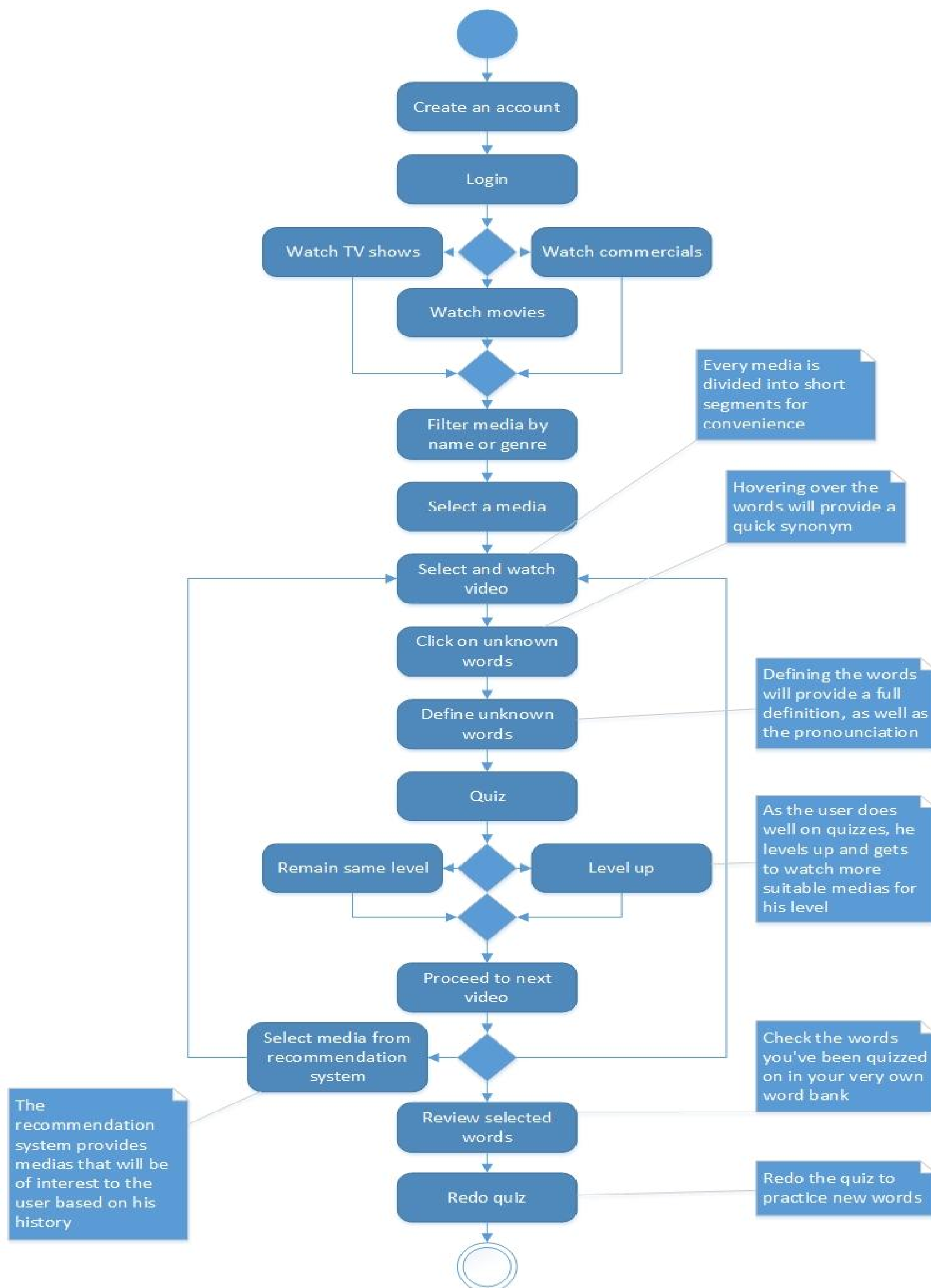# Language Leap
Learn English Through Videos

This project enables users to watch short segments of videos with their scripts alongside them. The user can then select any words he does not understand and view their definition. The system will then quiz the user about these words in order to teach him new words.
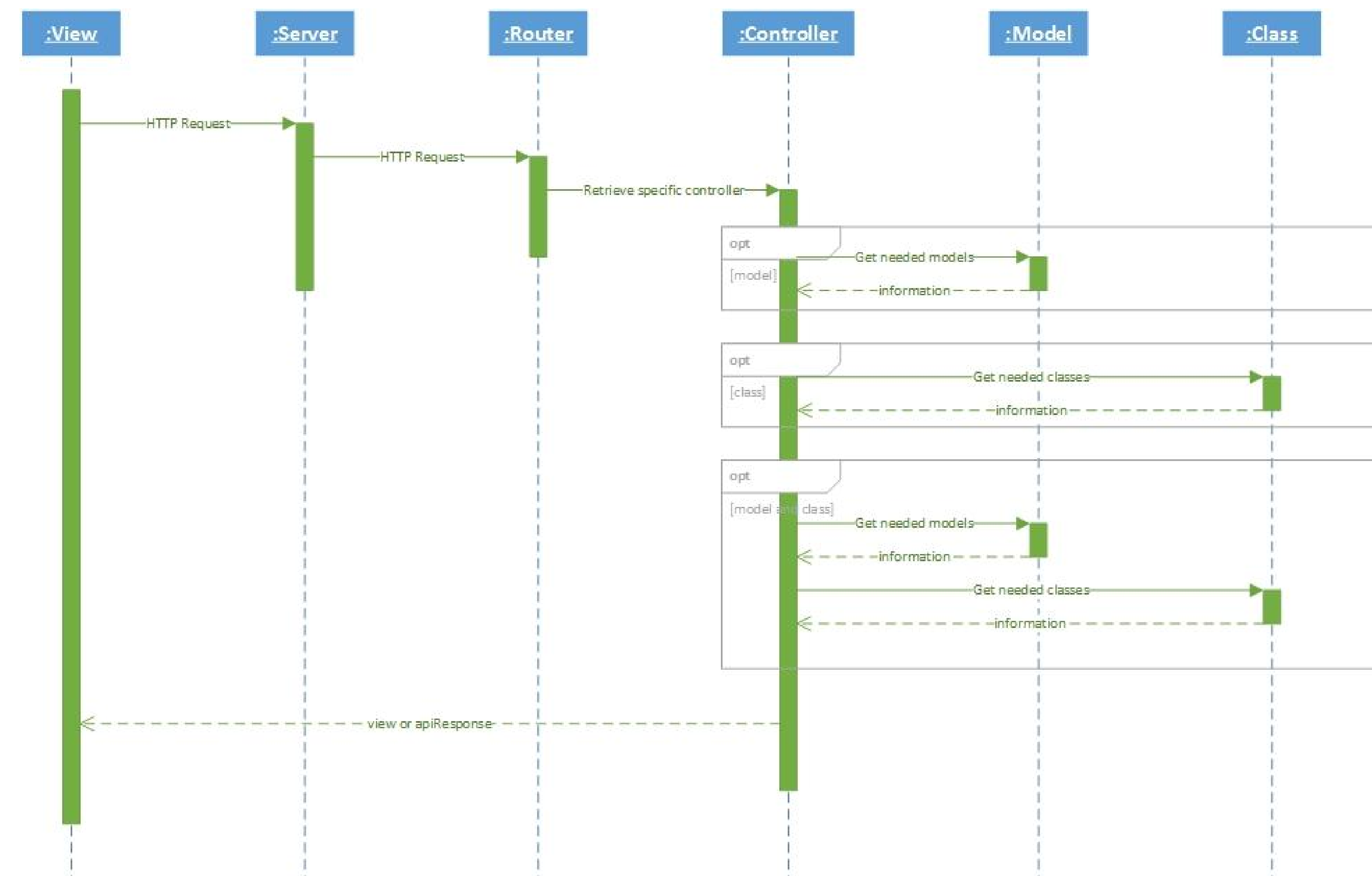
How does it work?
The flow of using the product

- Create an account
- Login
- Watch TV shows / Watch commercials
- Watch movies
- Filter media by name or genre
- Select a media
- Select and watch video
- Click on unknown words
- Define unknown words
- Quiz
- Remain same level / Level up
- Proceed to next video
- Select media from recommendation system
- Review selected words
- Redo quiz

Every media is divided into short segments for convenience

Hovering over the words will provide a quick synonym

Defining the words will provide a full definition, as well as the pronounciation

As the user does well on quizzes, he levels up and gets to watch more suitable medias for his level

The recommendation system provides medias that will be of interest to the user based on his history

Check the words you've been quizzed on in your very own word bank

Redo the quiz to practice new words

What are we using?
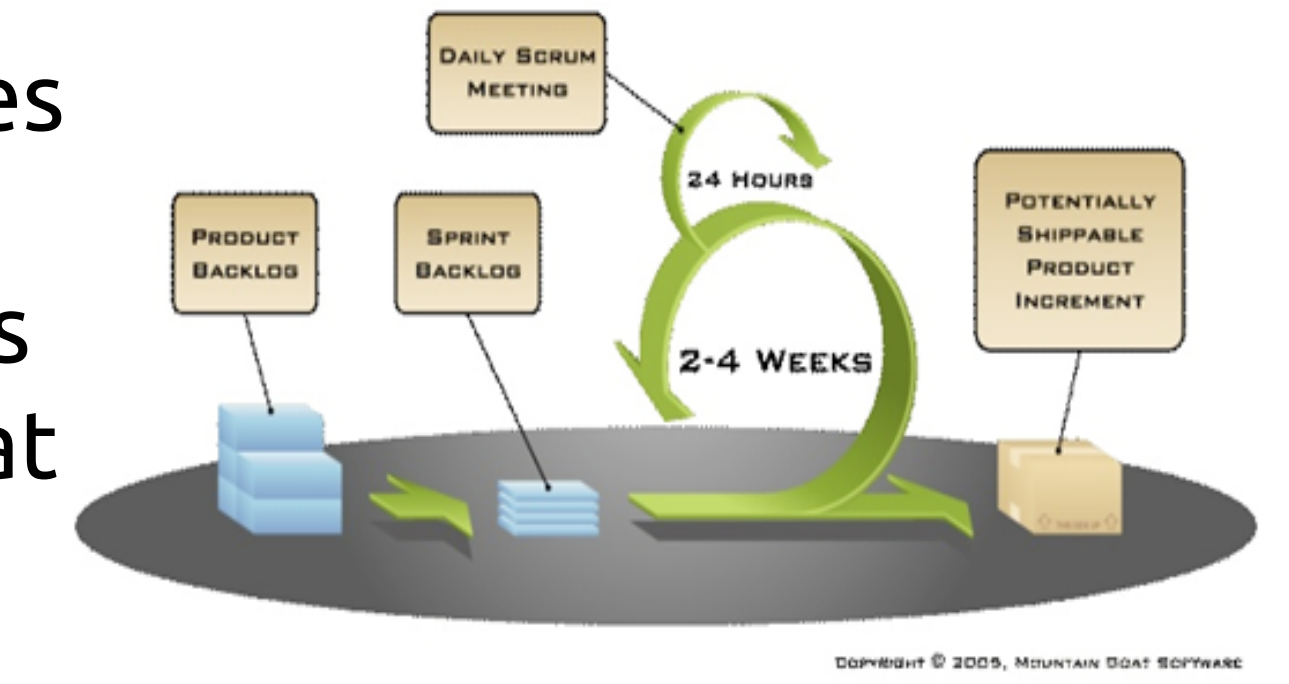### Laravel - Web framework

Societal Impact

Our product improves the wellbeing of people by teaching them new languages. This can help them in their day to day interactions.

Learning Experience

Over the course of the project, we have learned what it takes to build a full web application in an agile environment. We applied what we have learned over the course of our studies and were able to experience the decisions and problems that software engineers deal with on a day to day basis.

Security and Privacy

Our largest concern was the storage of users' personal information. In order to minimize risks to users, sensitive information is encrypted before being stored in our database.
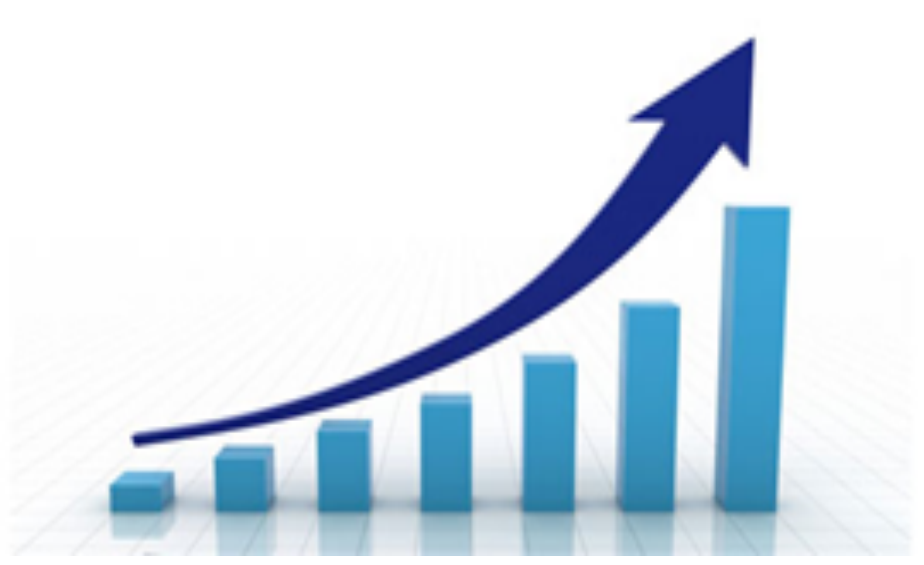
Uniform Interface

The user interface of a web application is an important aspect since it is how users interact with the product. Our project required all pages share a uniform theme in order to keep the users engaged and less confused.

Maintainability and Scalability

The goal of many web applications is to become popular with a large user base. With this final goal in mind, we designed the architecture of our application to be maintainable and scalable by using software engineering best practices such as automated testing, continuous integration, and using design patterns where applicable.
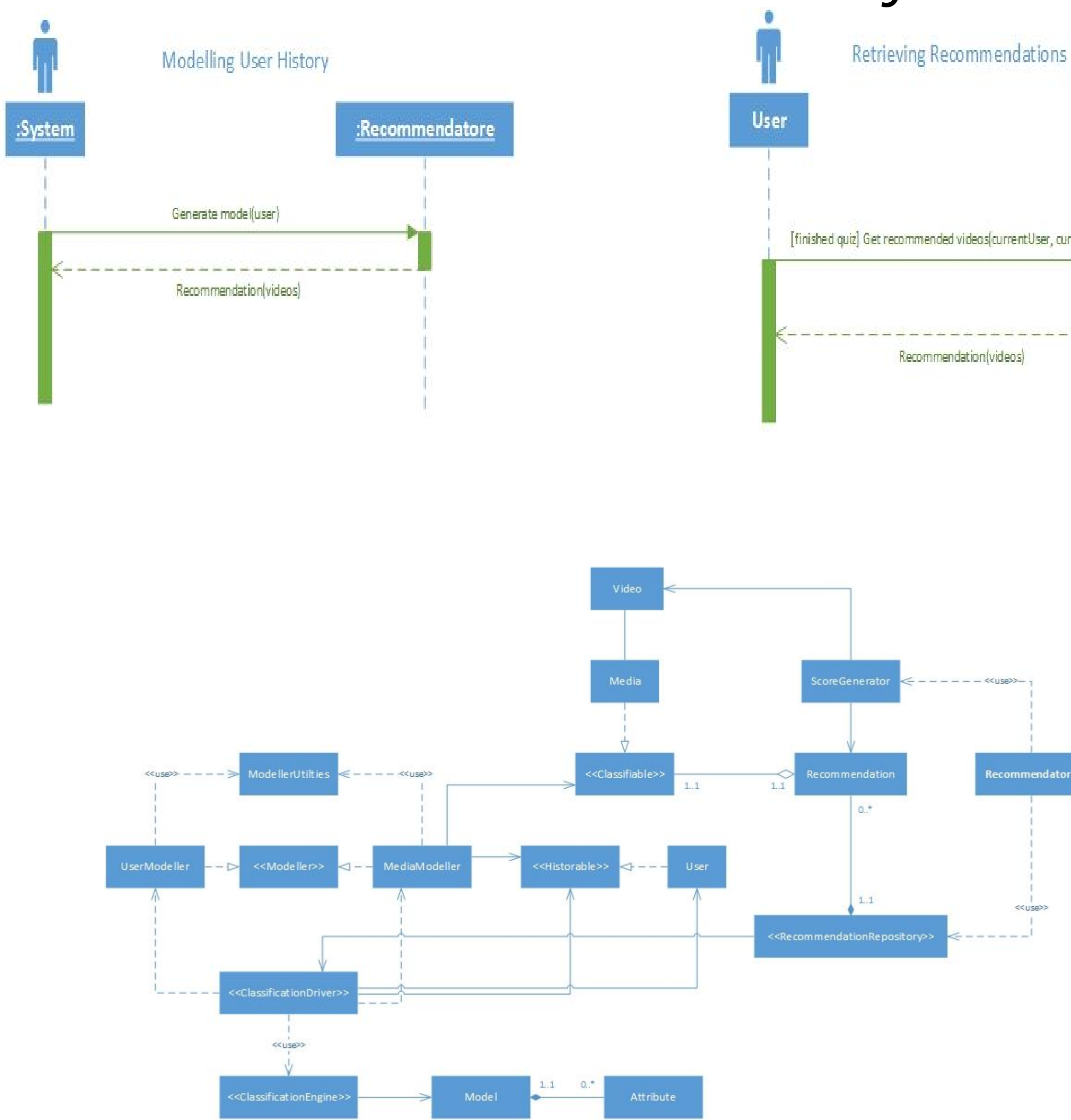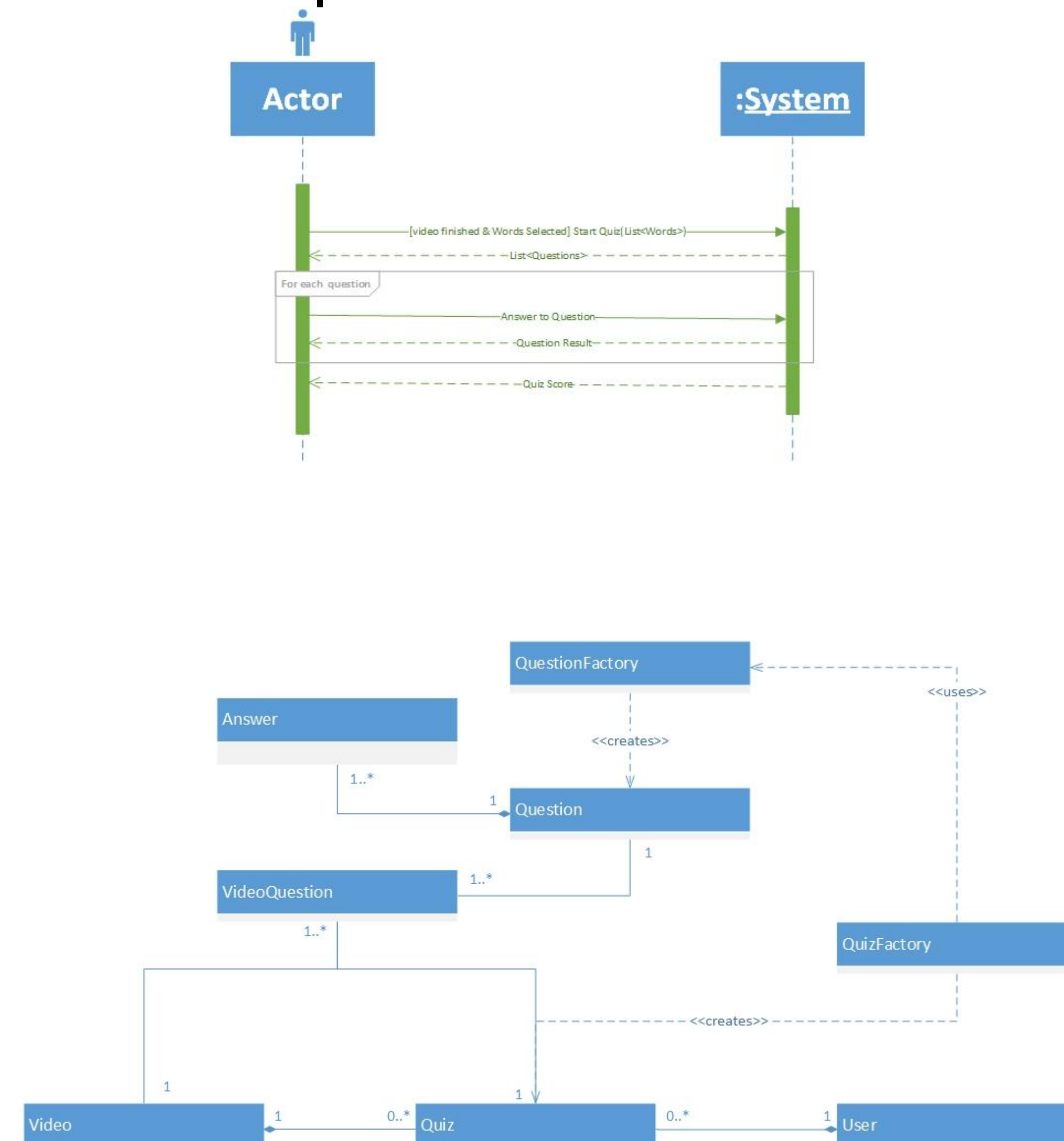
Special Features

Recommendation System
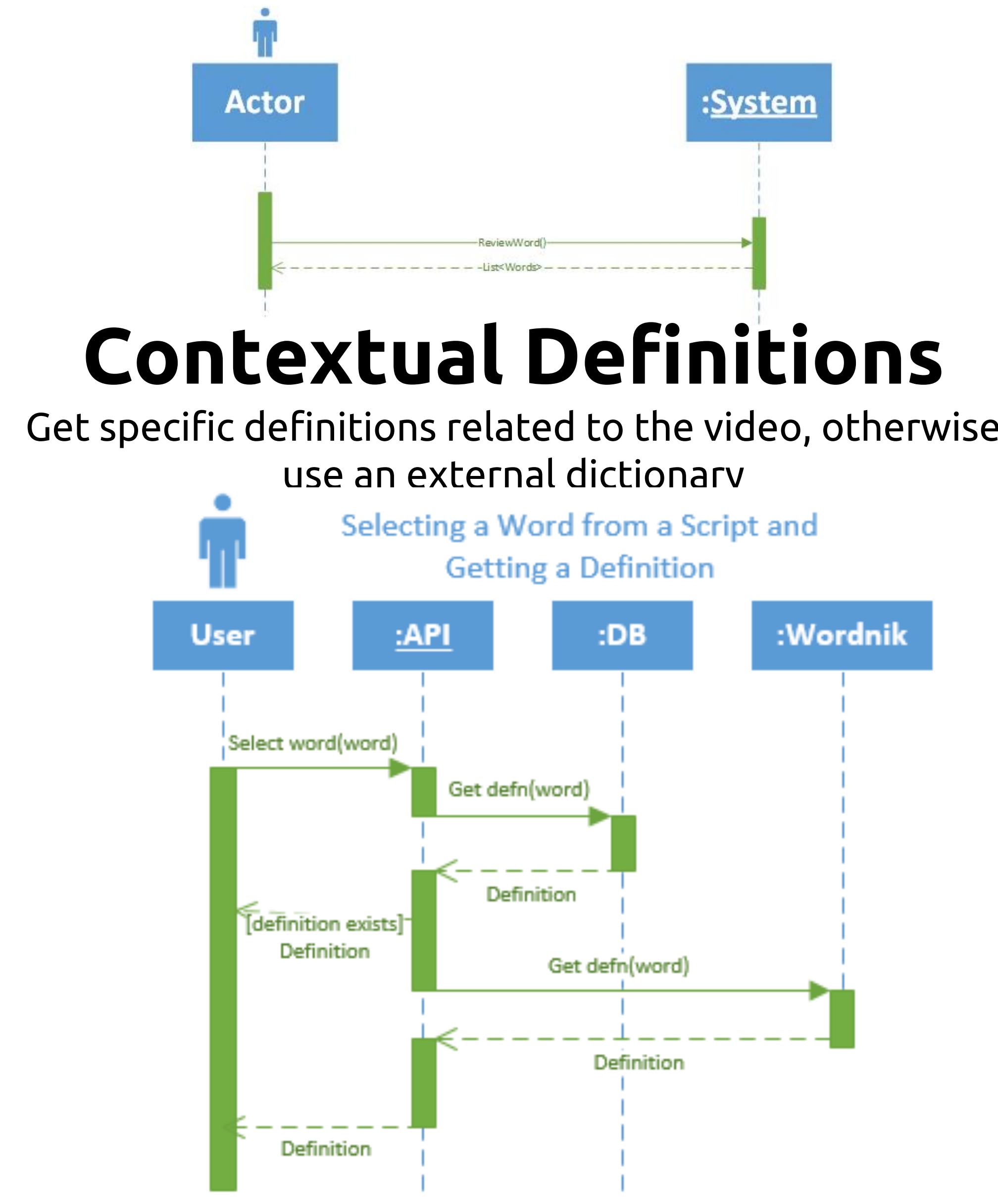### Watch videos tailored to you

Quiz System
Get quizzed on new words

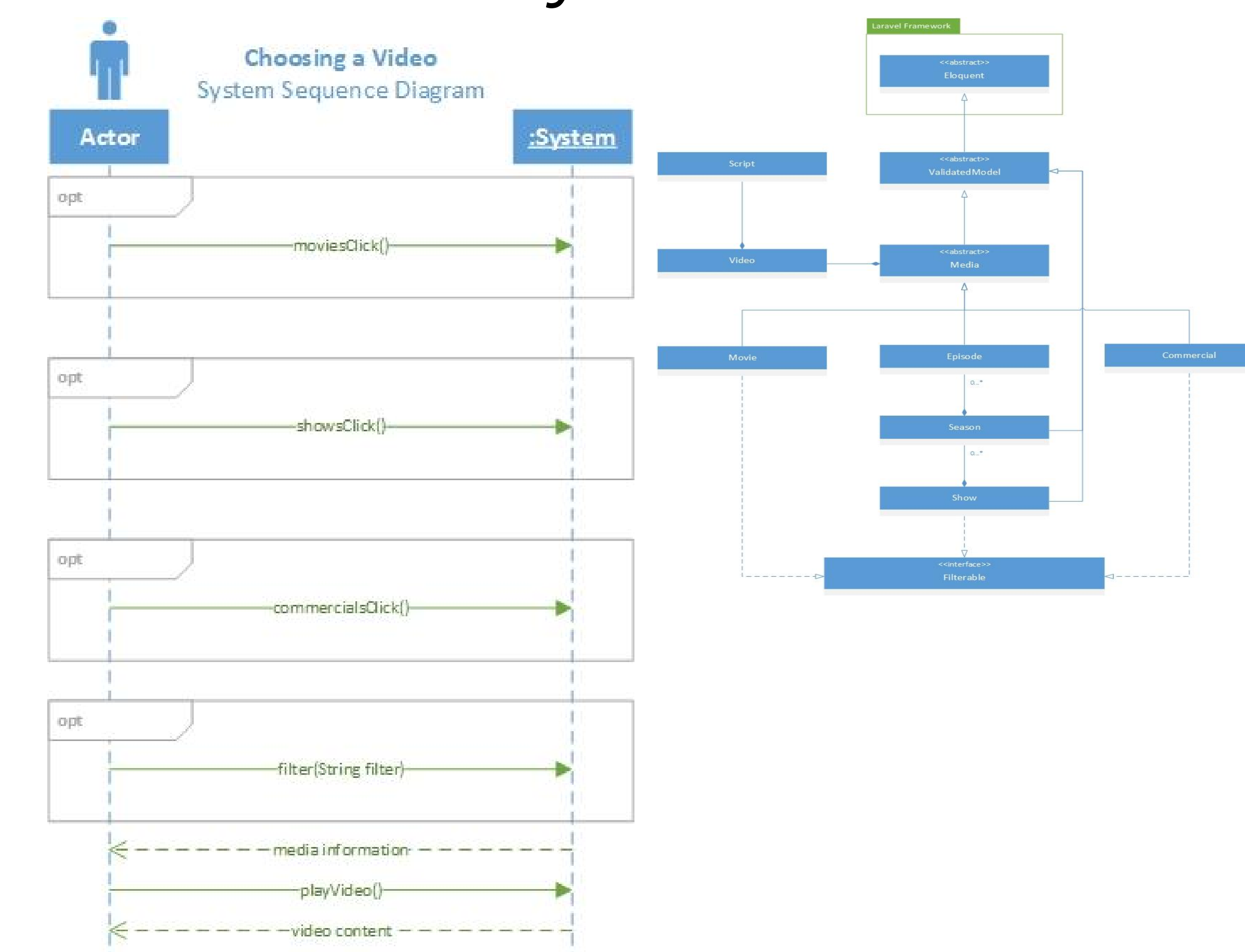## Word Bank
Review words you've been quizzed on

Contextual Definitions
Get specific definitions related to the video, otherwise use an external dictionary

Media Selection
Select videos you want to watch

User Level
Level up when performing well on quizzes